

Test Plot 1#:136.0125MHz_Face Up_12.5kHz_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

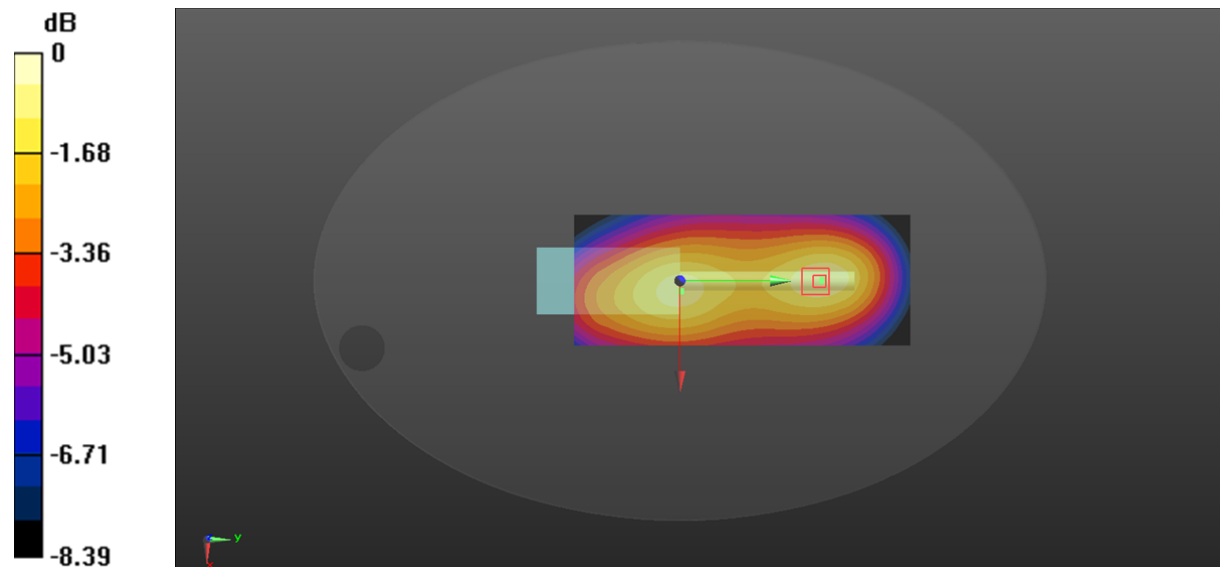
Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.732 \text{ S/m}$; $\epsilon_r = 53.708$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.985 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 34.46 V/m ; Power Drift = 0.10 dB Peak SAR (extrapolated) = 1.56 W/kg **SAR(1 g) = 1.08 W/kg ; SAR(10 g) = 0.778 W/kg** Maximum value of SAR (measured) = 1.15 W/kg  $0 \text{ dB} = 1.15 \text{ W/kg} = 0.61 \text{ dBW/kg}$

Test Plot 2#:153.0125_12.5kHz_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.771$ S/m; $\epsilon_r = 52.009$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.618 W/kg

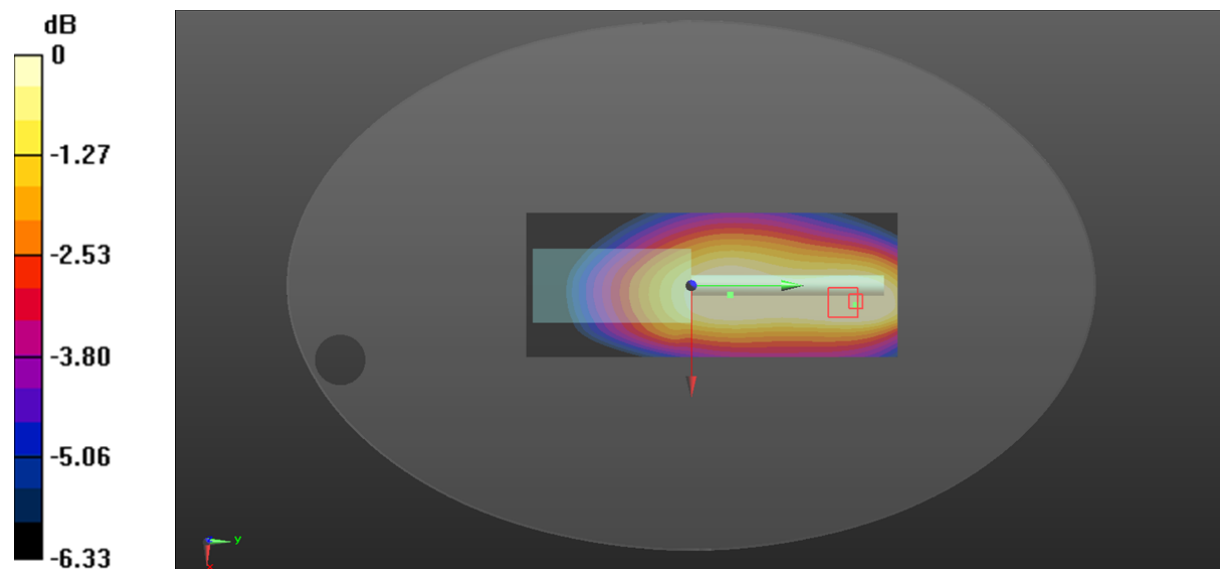
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.61 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg = -2.64 dBW/kg

Test Plot 3#:136.0125MHz_Face Up_25kHz_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

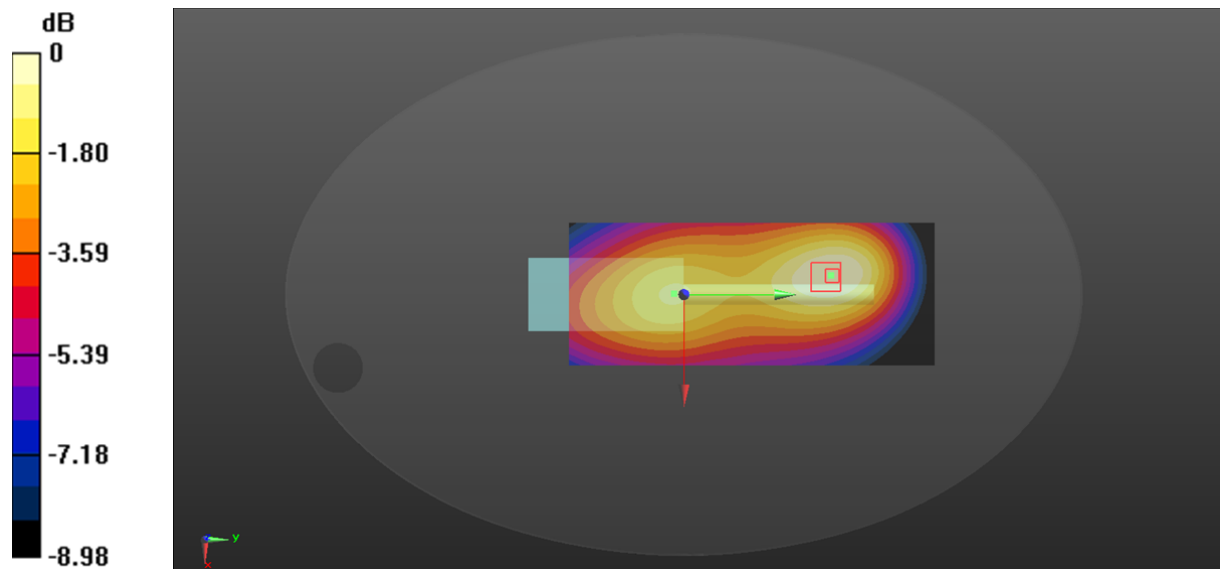
Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.732 \text{ S/m}$; $\epsilon_r = 53.708$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.65 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 39.03 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 2.21 W/kg **SAR(1 g) = 1.49 W/kg ; SAR(10 g) = 1.05 W/kg** Maximum value of SAR (measured) = 1.58 W/kg 0 dB = 1.58 W/kg = 1.99 dBW/kg

Test Plot 4#:153.0125 MHz_Face Up_25kHz_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

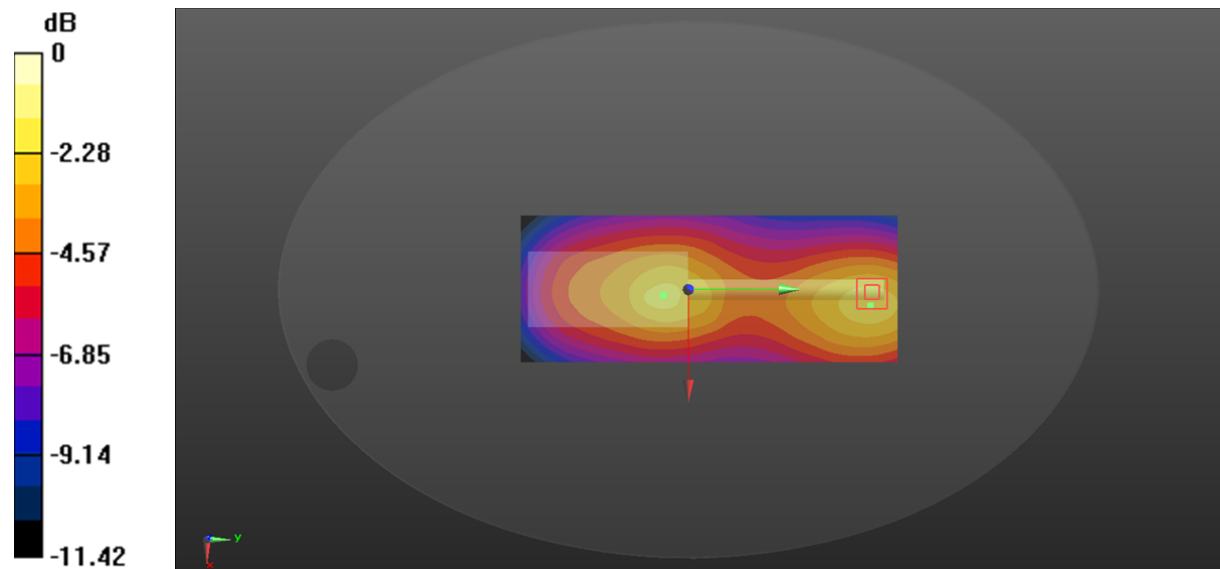
Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.771 \text{ S/m}$; $\epsilon_r = 52.009$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.32 W/kg **Zoom Scan (9x9x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 52.62 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 7.36 W/kg **SAR(1 g) = 2.98 W/kg ; SAR(10 g) = 1.82 W/kg** Maximum value of SAR (measured) = 3.52 W/kg 0 dB = 3.52 W/kg = 5.47 dBW/kg

Test Plot 5#:136.0125MHz_Face Up_4FSK_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

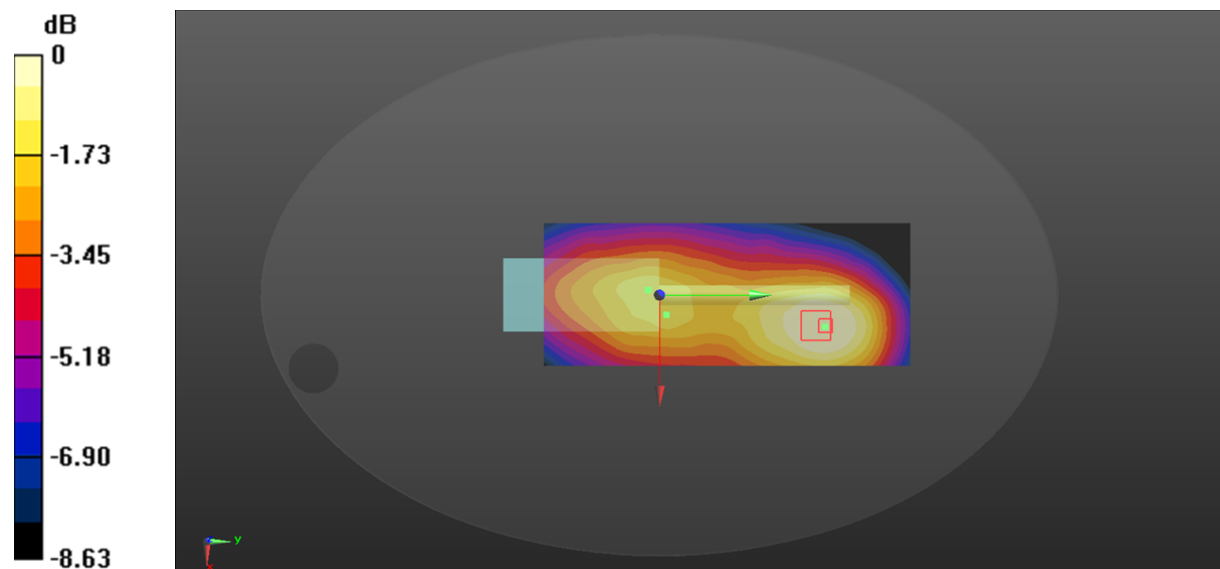
Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.732 \text{ S/m}$; $\epsilon_r = 53.708$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.971 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 29.58 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 1.22 W/kg **SAR(1 g) = 0.829 W/kg ; SAR(10 g) = 0.589 W/kg** Maximum value of SAR (measured) = 0.882 W/kg 0 dB = 0.882 W/kg = -0.55 dBW/kg

Test Plot 6#:153.0125 MHz_Face Up_4FSK_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

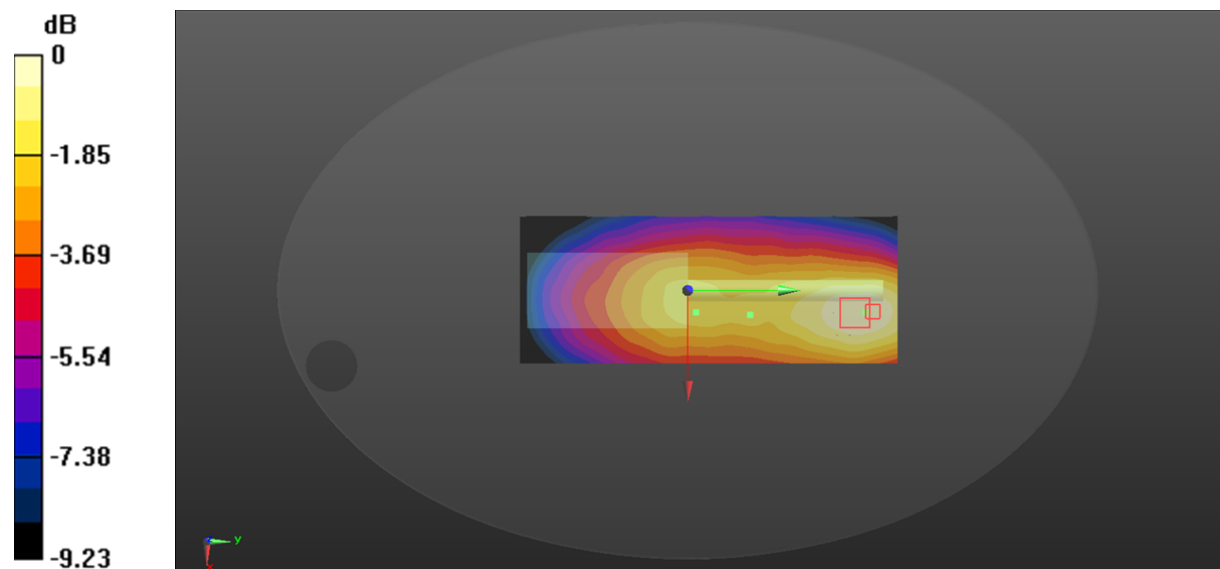
Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.771 \text{ S/m}$; $\epsilon_r = 52.009$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.04 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 30.02 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 1.53 W/kg **SAR(1 g) = 0.970 W/kg ; SAR(10 g) = 0.687 W/kg** Maximum value of SAR (measured) = 1.05 W/kg 0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Plot 7#:136.0125MHz_BodyBack_12.5kHz_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.759$ S/m; $\epsilon_r = 63.908$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.2 W/kg

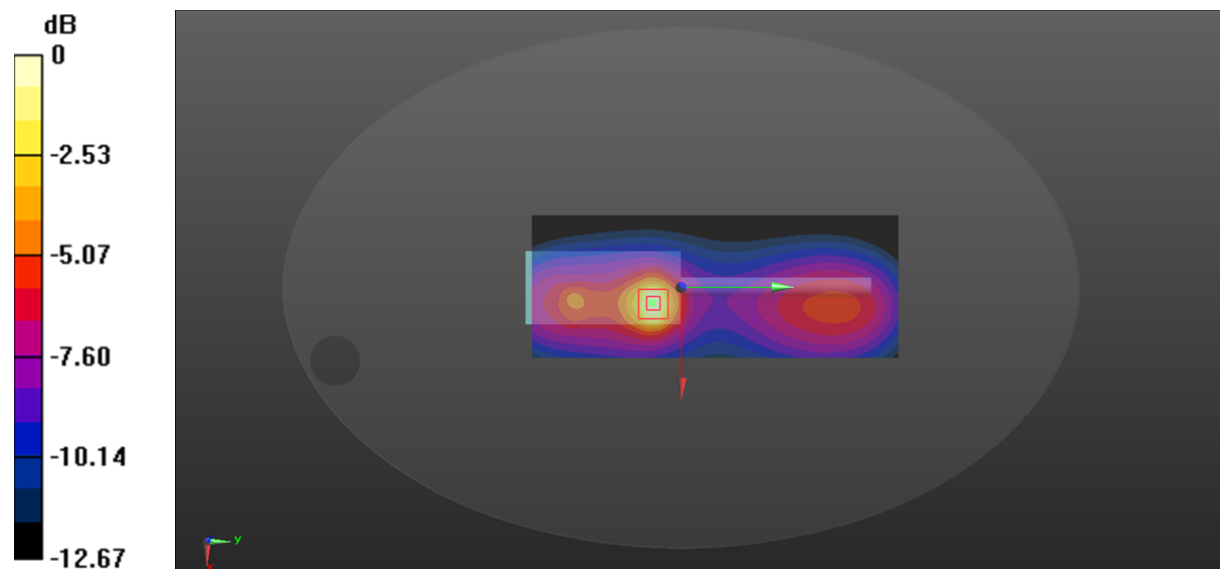
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.34 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 10.8 W/kg; SAR(10 g) = 5.16 W/kg

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Test Plot 8#:143_BodyBack_12.5kHz_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

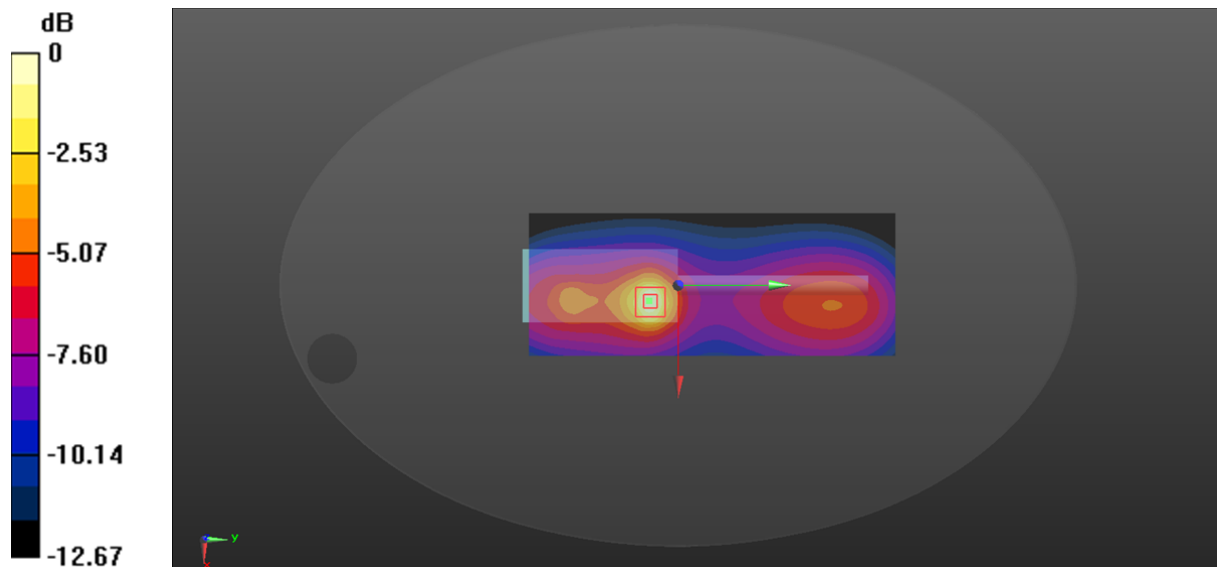
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 63.471$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.05 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 72.62 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 24.8 W/kg **SAR(1 g) = 8.8 W/kg ; SAR(10 g) = 4.3 W/kg** Maximum value of SAR (measured) = 9.36 W/kg 0 dB = 9.36 W/kg = 9.71 dBW/kg

Test Plot 9#:149.9875_BodyBack_12.5kHz_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

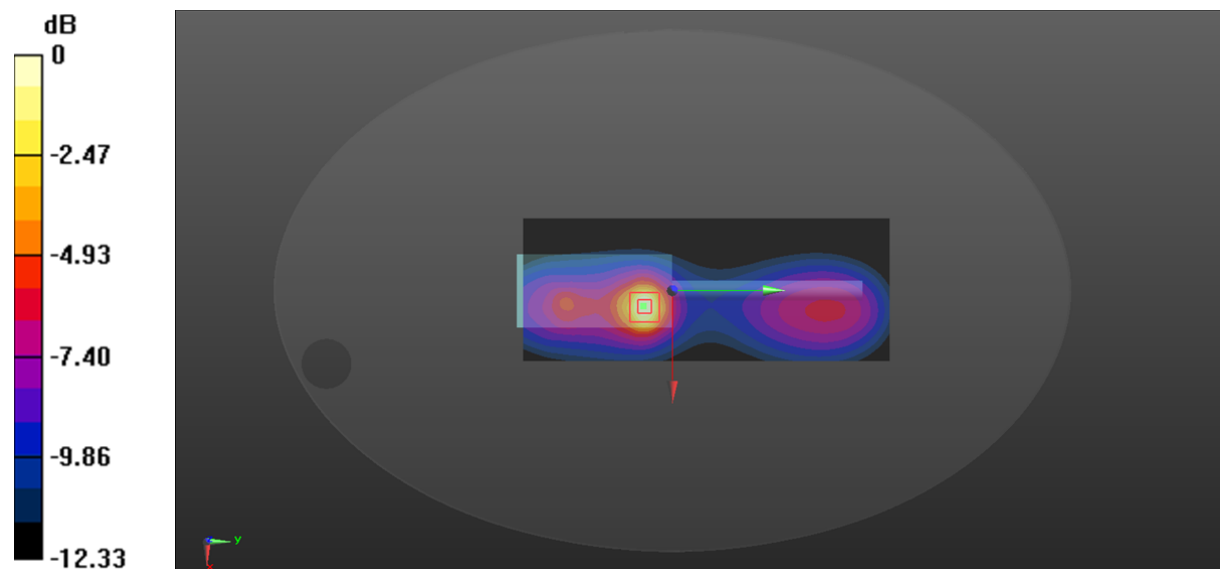
Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988 \text{ MHz}$; $\sigma = 0.782 \text{ S/m}$; $\epsilon_r = 62.272$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.57 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 29.99 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 11.5 W/kg **SAR(1 g) = 3.46 W/kg ; SAR(10 g) = 1.59 W/kg** Maximum value of SAR (measured) = 3.59 W/kg 0 dB = 3.59 W/kg = 5.55 dBW/kg

Test Plot 10#:146.0125_BodyBack_12.5kHz_Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.773$ S/m; $\epsilon_r = 63.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 146.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.3 W/kg

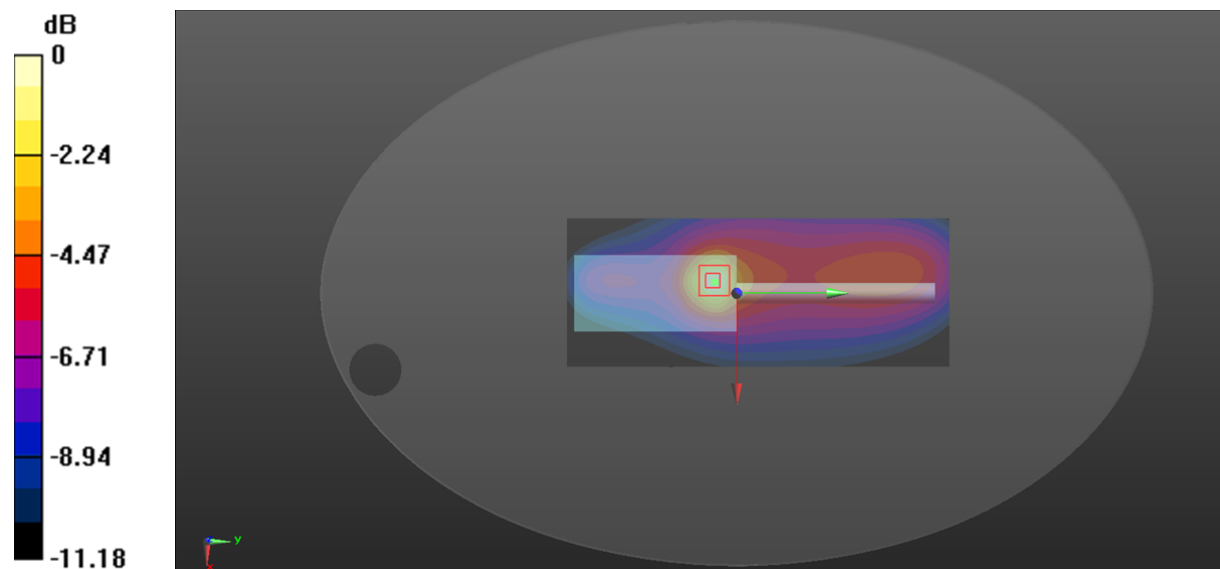
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.81 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.8 W/kg

SAR(1 g) = 9.26 W/kg; SAR(10 g) = 4.76 W/kg

Maximum value of SAR (measured) = 9.90 W/kg



0 dB = 9.90 W/kg = 9.96 dBW/kg

Test Plot 11#:153.0125 MHz_BodyBack _12.5kHz _Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 62.245$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 10.8 W/kg

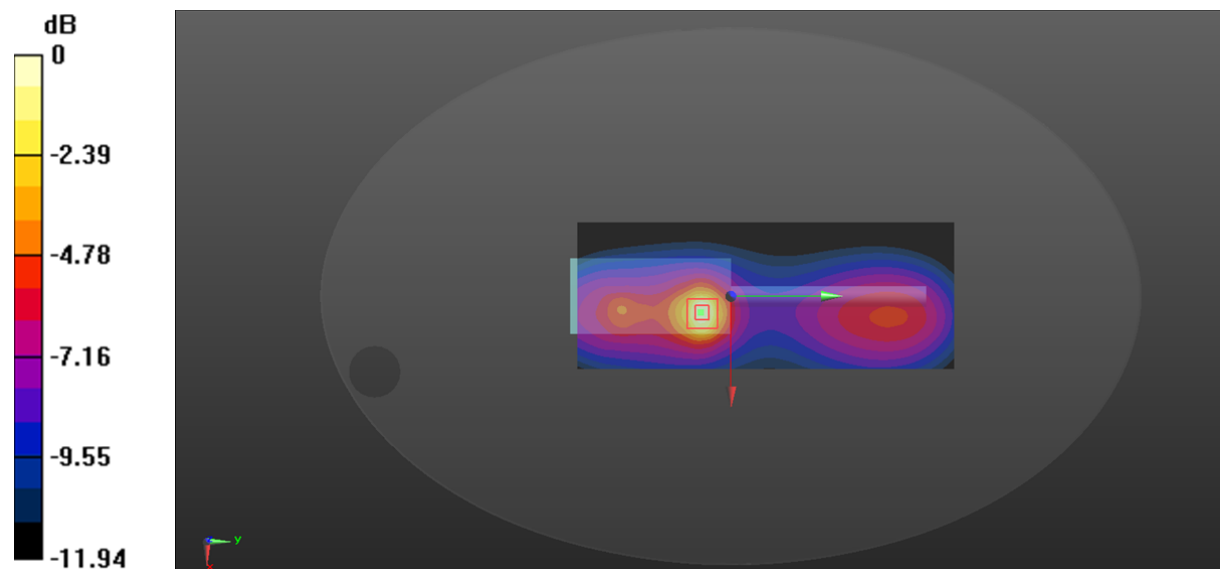
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.82 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 33.9 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 4.71 W/kg

Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 10.4 W/kg = 10.17 dBW/kg

Test Plot 12#:160_BodyBack_12.5kHz_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160$ MHz; $\sigma = 0.801$ S/m; $\epsilon_r = 61.908$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 160 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.12 W/kg

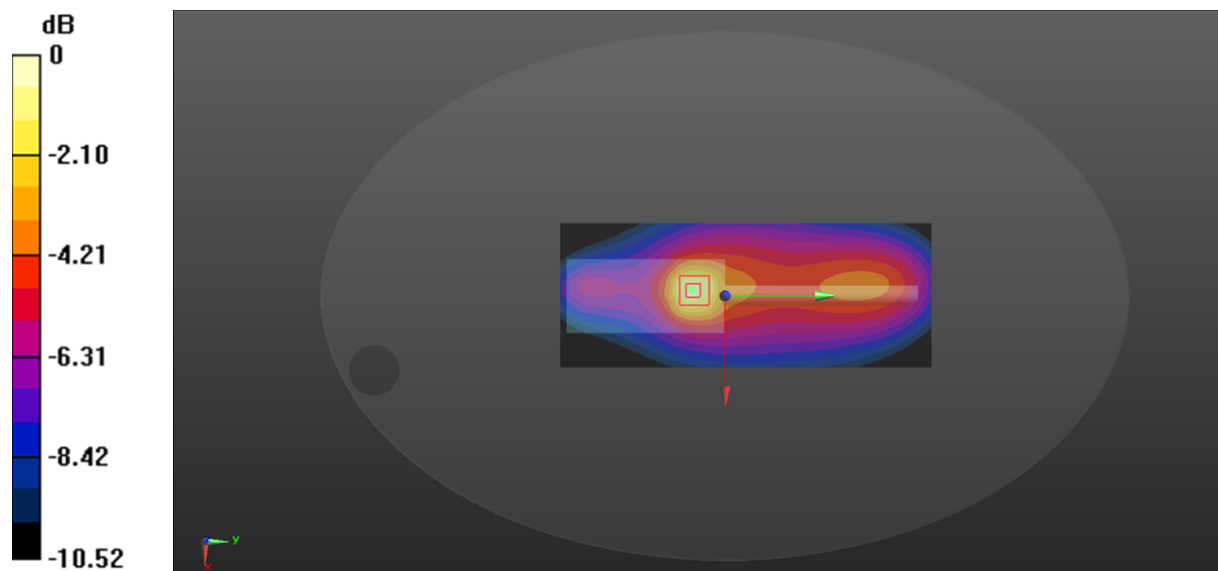
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.43 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.8 W/kg

Maximum value of SAR (measured) = 5.56 W/kg



0 dB = 5.56 W/kg = 7.45 dBW/kg

Test Plot 13#:166.9875_BodyBack_12.5kHz_Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 166.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.816 \text{ S/m}$; $\epsilon_r = 61.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 166.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.81 W/kg

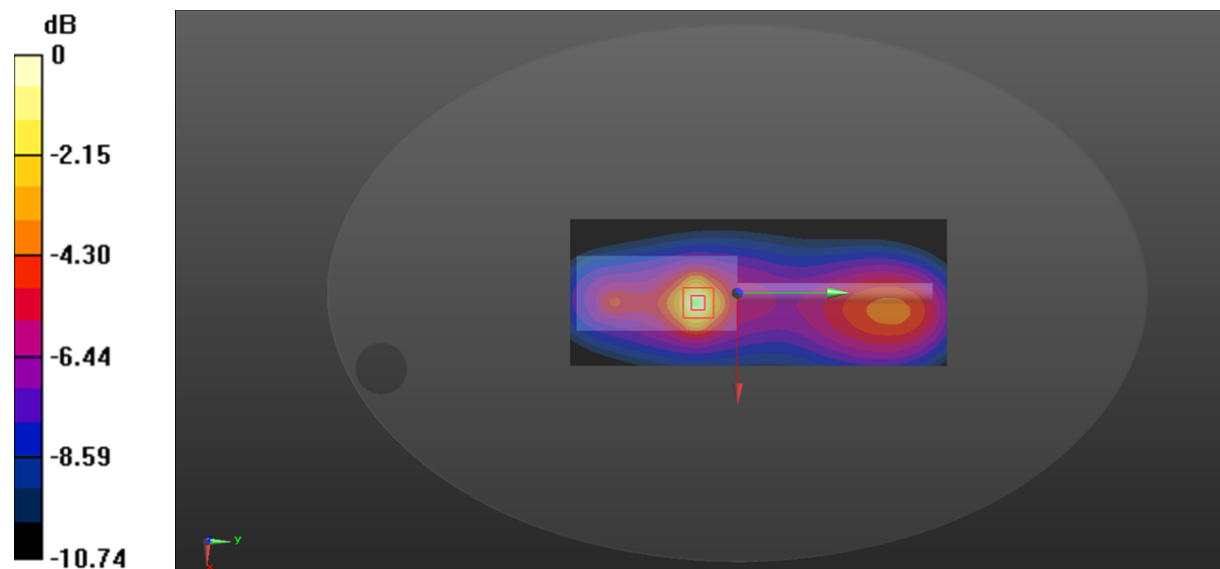
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.14 V/m ; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 8.24 W/kg

SAR(1 g) = 2.62 W/kg ; SAR(10 g) = 1.28 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



0 dB = 2.69 W/kg = 4.30 dBW/kg

Test Plot14#:173.9875_BodyBack_12.5kHz_Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.824 \text{ S/m}$; $\epsilon_r = 60.549$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.34 W/kg

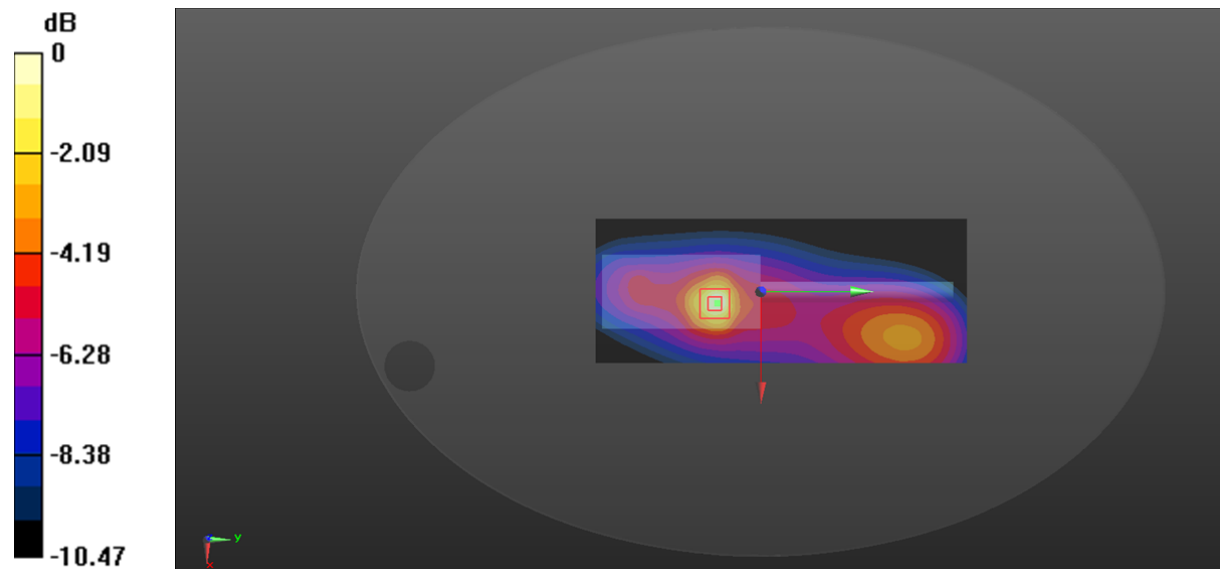
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.84 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 6.42 W/kg

SAR(1 g) = 2.11 W/kg ; SAR(10 g) = 1.06 W/kg

Maximum value of SAR (measured) = 2.22 W/kg



0 dB = 2.22 W/kg = 3.46 dBW/kg

Test Plot15#:136.0125MHz_BodyBack_25kHz_Antenna 1

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.759 \text{ S/m}$; $\epsilon_r = 63.908$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.5 W/kg

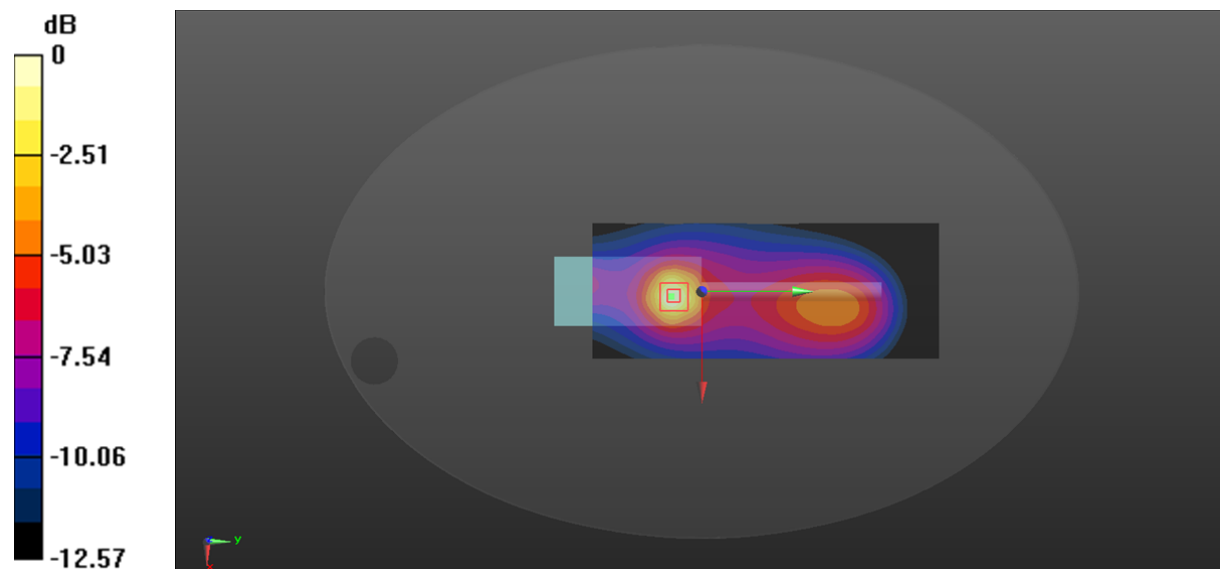
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 66.19 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 10.7 W/kg ; SAR(10 g) = 5.14 W/kg

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Test Plot16#:143MHz_BodyBack _25kHz _Antenna 1

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.765 \text{ S/m}$; $\epsilon_r = 63.471$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.54 W/kg

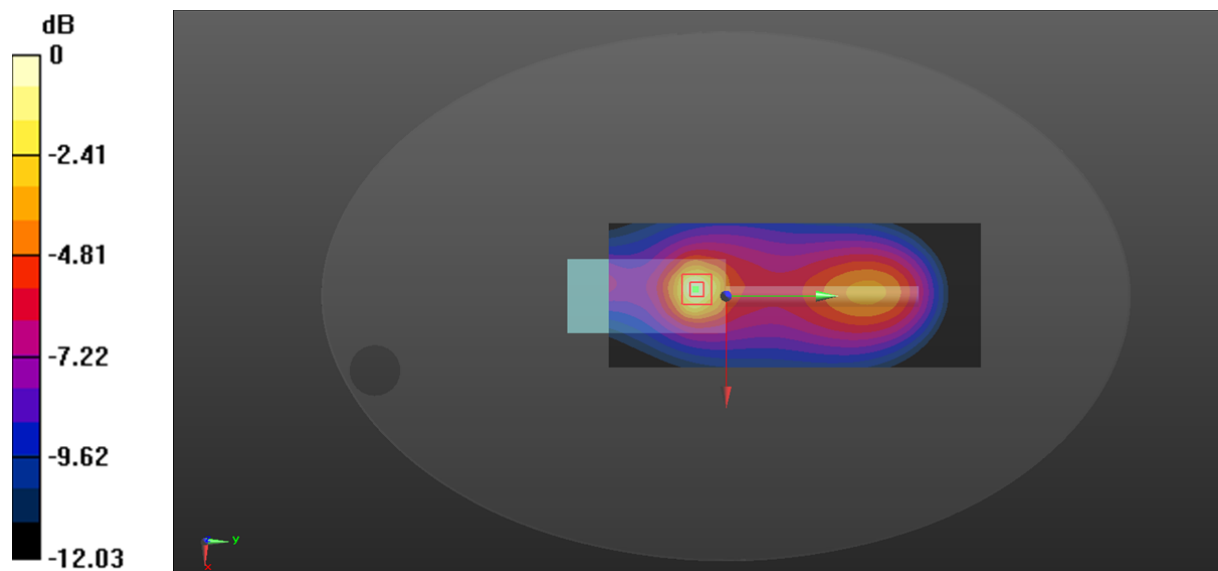
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 61.23 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 22.3 W/kg

SAR(1 g) = 8.06 W/kg ; SAR(10 g) = 4 W/kg

Maximum value of SAR (measured) = 8.64 W/kg



0 dB = 8.64 W/kg = 9.37 dBW/kg

Test Plot17#:149.9875MHz_BodyBack_25kHz_Antenna 1

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988 \text{ MHz}$; $\sigma = 0.782 \text{ S/m}$; $\epsilon_r = 62.272$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.46 W/kg

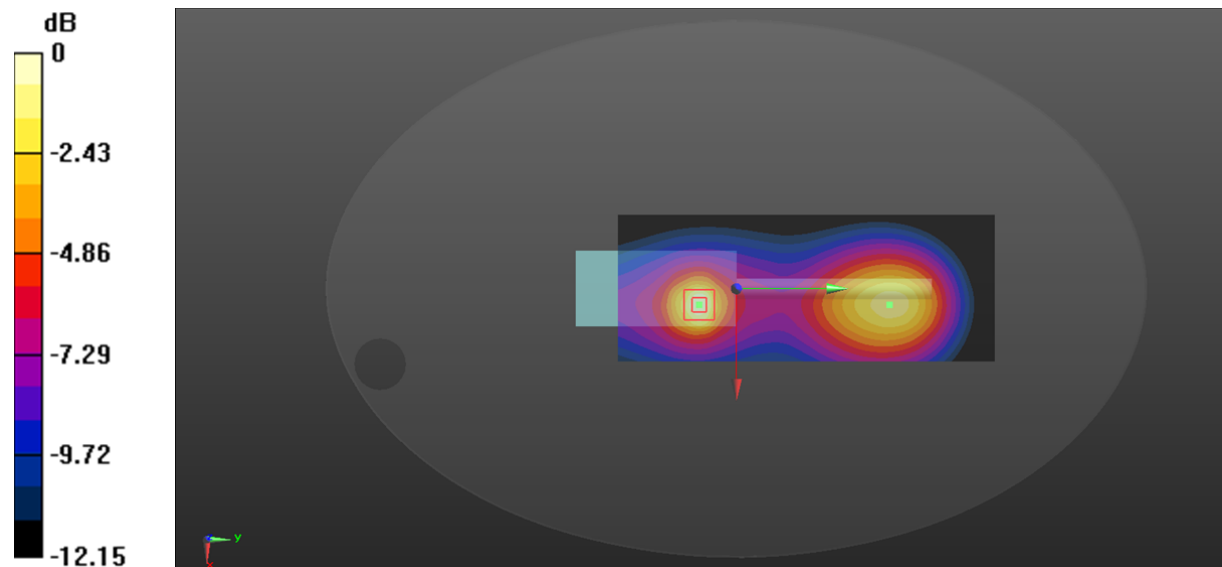
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.19 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.29 W/kg

SAR(1 g) = 2.33 W/kg ; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 2.40 W/kg



0 dB = 2.40 W/kg = 3.80 dBW/kg

Test Plot18#:146.0125_BodyBack _25kHz _Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.773$ S/m; $\epsilon_r = 63.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 146.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.29 W/kg

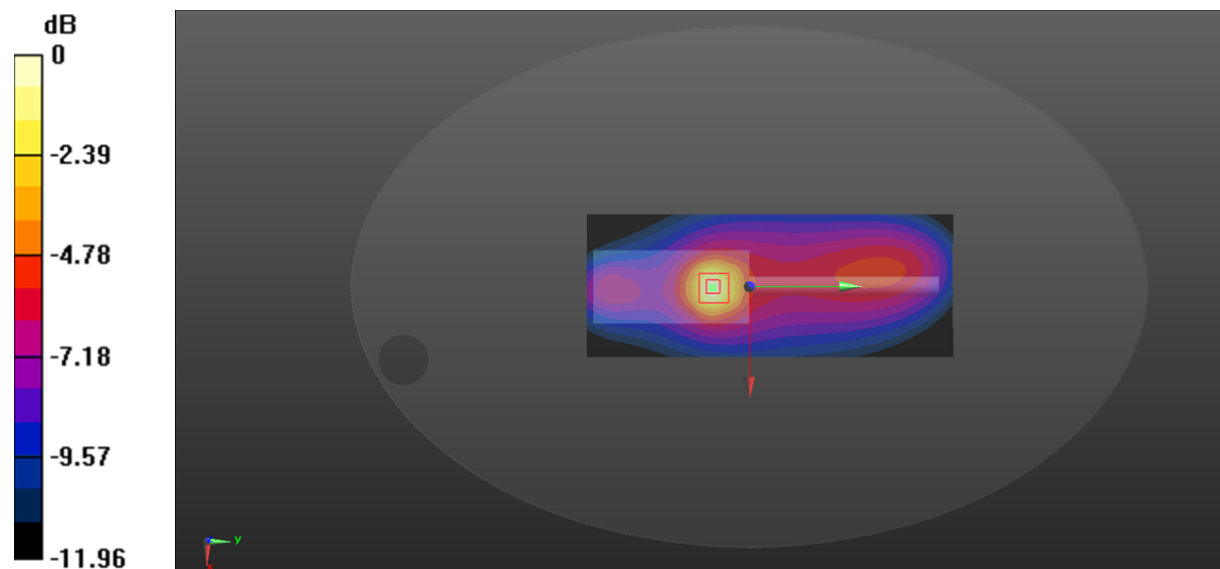
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.40 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.12 W/kg; SAR(10 g) = 3.03 W/kg

Maximum value of SAR (measured) = 6.60 W/kg



0 dB = 6.60 W/kg = 8.20 dBW/kg

Test Plot19#:153.0125 MHz_BodyBack _25kHz _Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 62.245$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

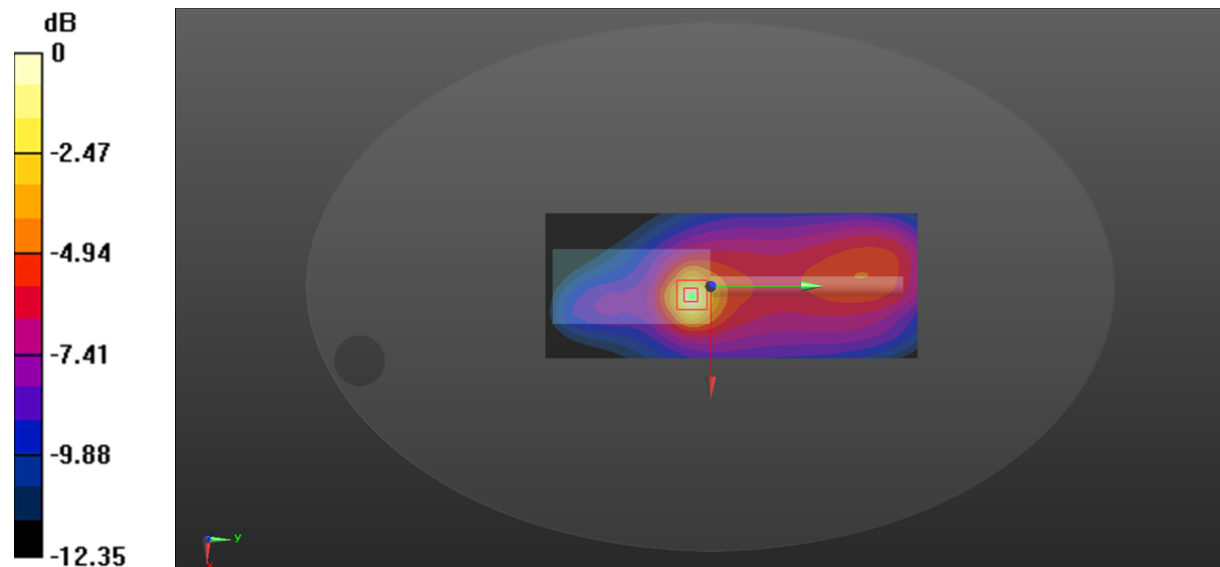
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.80 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 30.6 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg = 10.61 dBW/kg

Test Plot 20#:160_BodyBack _25kHz _Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

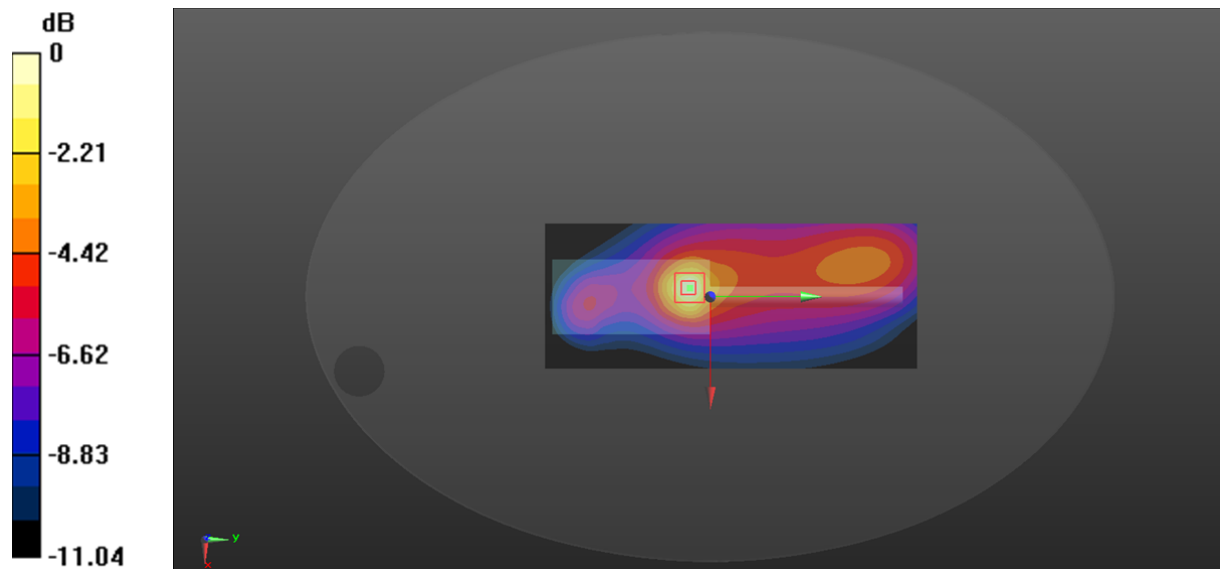
Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160 \text{ MHz}$; $\sigma = 0.801 \text{ S/m}$; $\epsilon_r = 61.908$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 160 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.72 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 59.90 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 15.3 W/kg **SAR(1 g) = 5.92 W/kg ; SAR(10 g) = 3.12 W/kg** Maximum value of SAR (measured) = 6.38 W/kg 0 dB = 6.38 W/kg = 8.05 dBW/kg

Test Plot 21#:166.9875_BodyBack_25kHz_Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 166.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.816 \text{ S/m}$; $\epsilon_r = 61.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 166.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.36 W/kg

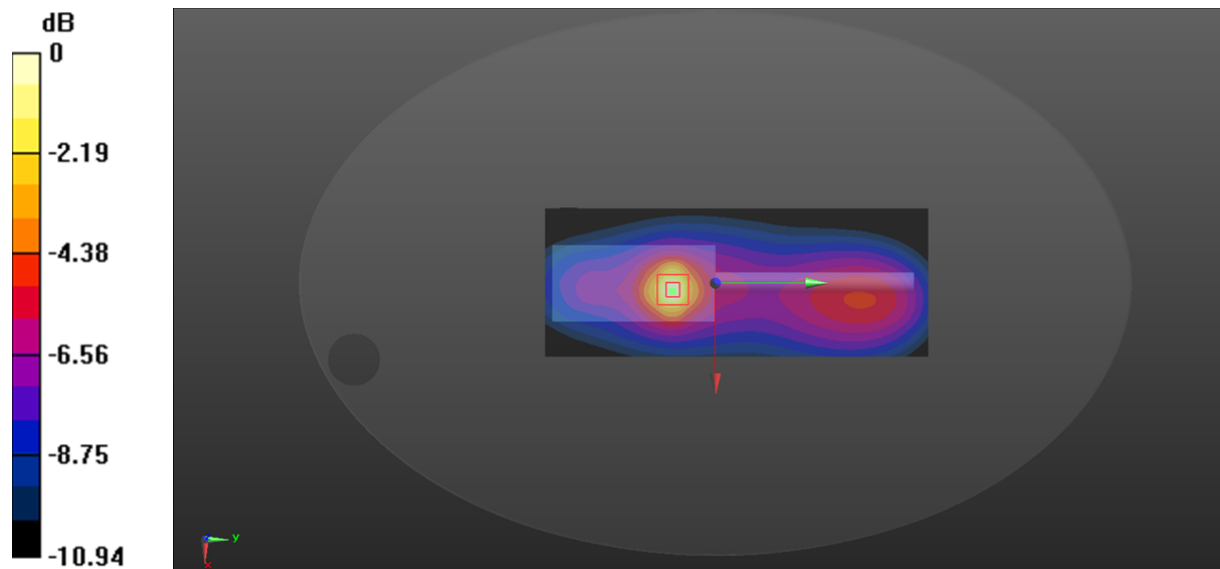
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.60 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.99 W/kg

SAR(1 g) = 3.11 W/kg ; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 3.22 W/kg



0 dB = 3.22 W/kg = 5.08 dBW/kg

Test Plot 22#:173.9875_BodyBack_25kHz_Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.824 \text{ S/m}$; $\epsilon_r = 60.549$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.66 W/kg

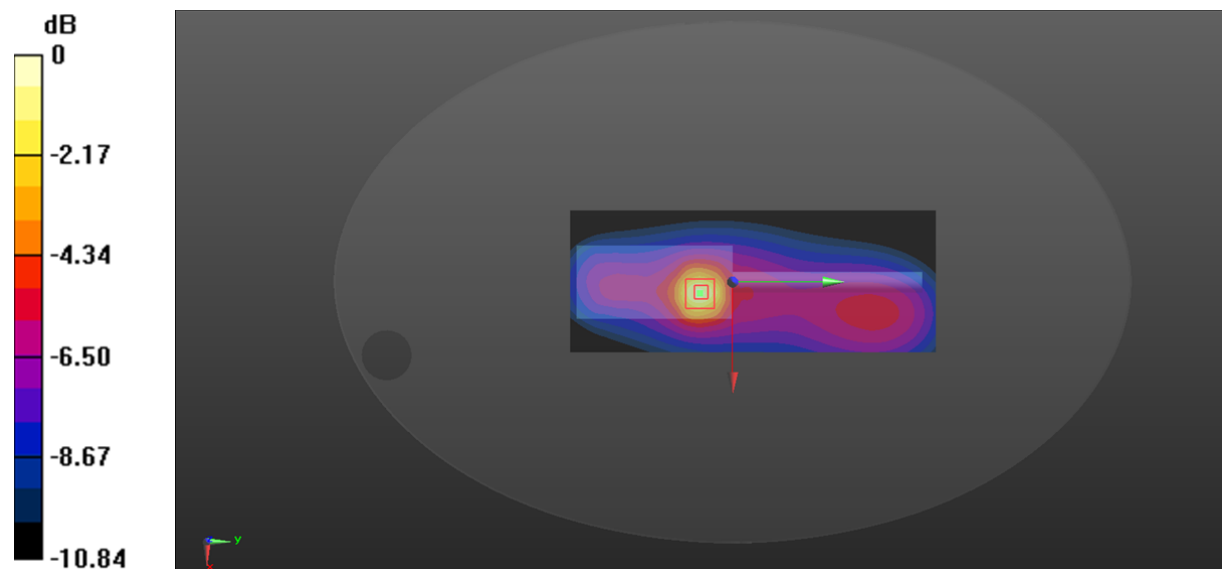
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.17 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 8.86 W/kg

SAR(1 g) = 2.84 W/kg ; SAR(10 g) = 1.39 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Test Plot 23#:136.0125MHz_BodyBack_4FSK_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1**

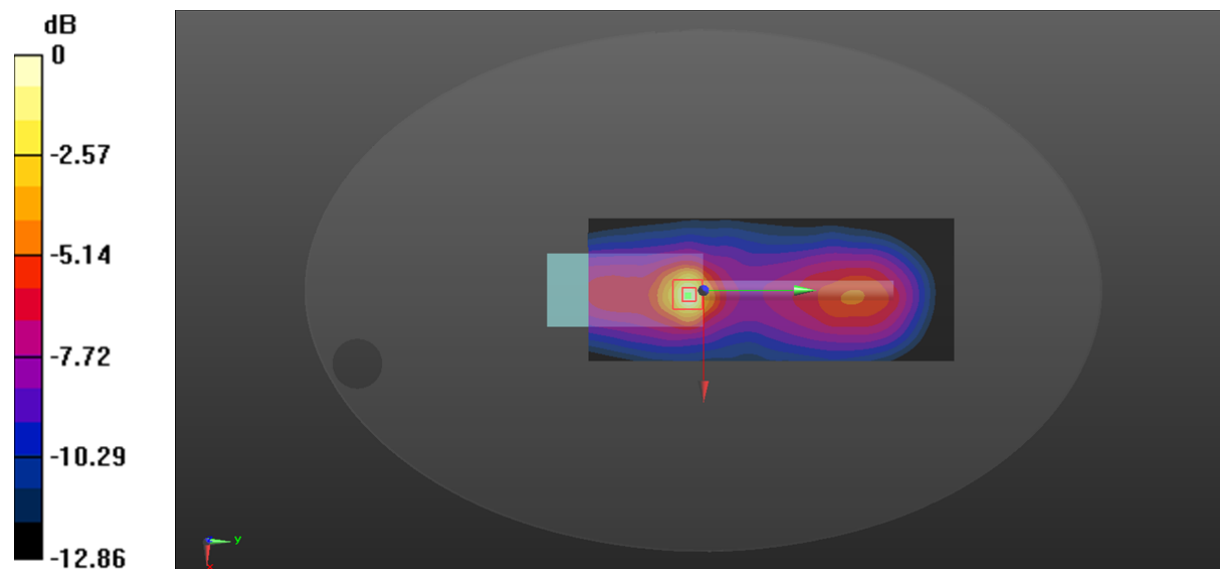
Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.759 \text{ S/m}$; $\epsilon_r = 63.908$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.85 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 75.30 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 22.4 W/kg **SAR(1 g) = 7.13 W/kg ; SAR(10 g) = 3.25 W/kg** Maximum value of SAR (measured) = 7.84 W/kg 0 dB = 7.84 W/kg = 8.94 dBW/kg

Test Plot24#:153.0125 MHz_BodyBack _4FSK _Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD402 VHF; Serial: DG2210705-27155E-SA-S1

Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 62.245$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.29 W/kg

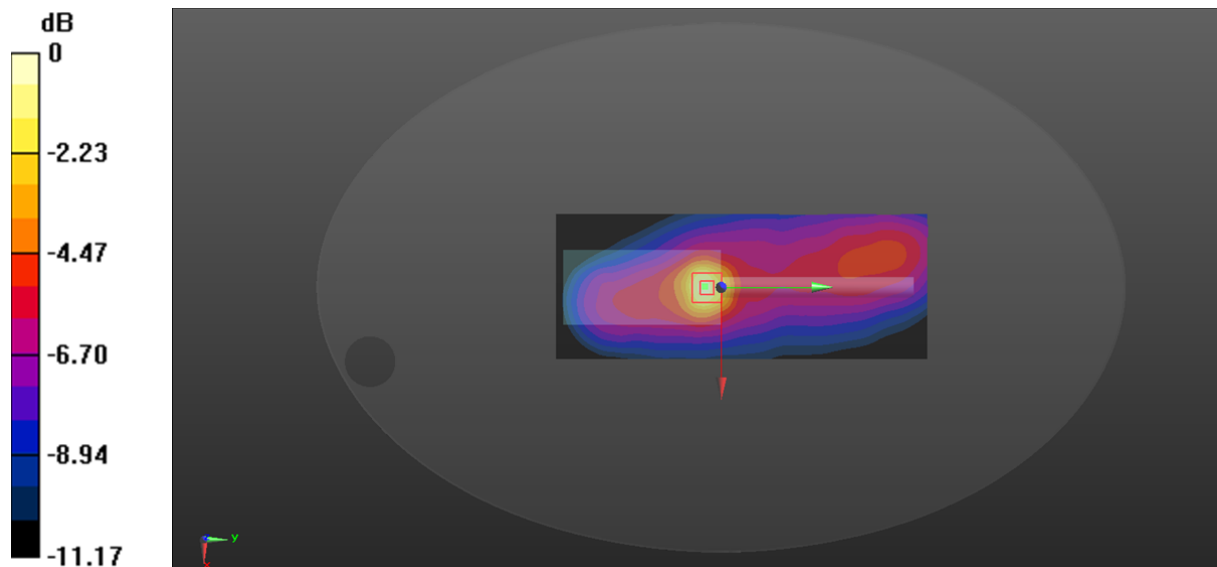
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.42 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 7.43 W/kg; SAR(10 g) = 3.79 W/kg

Maximum value of SAR (measured) = 7.92 W/kg



0 dB = 7.92 W/kg = 8.99 dBW/kg